Measuring Alternating Currents and Voltages by the Compensation Method

method is applicable only for such alternating currents and voltages whose phase coincides with the excitation phase of the vibratory converter. The error observed in test measurements by this method is about 0.5%. There is 1 diagram and 1 Soviet reference.

1. Alternating currents---Measurement 2. Voltage---Measurement
3. Potentiometers---Performance 4. Control systems---Equipment

KORNIL'YEV, G.

Achievements of a progressive team. Mast.ugl. 6 no.6:5 Je '57.
(MLRA 10:8)

1. Nachal'nik uchebnogo punkta shakhty "Ayuktinskaya-2" kombinata Shakhtantratsit.
(Coal mines and mining)

KORNIL'YEV, G., inzh.

Improving the quality of coal! Mast.ugl. 9 no.9:5 S'60.
(MIRA 13:10)

1. Shakhta No 2 "Atyuktinskaya", Rostovskogo sovnarkhoza.
(Donets Basin--Coal mines and mining)

KORNIL'YEV, P.V., insh., red.; MUNITS, A.P., red. izd-va; TEYYERMAN, T.M., tekhn. red.

[Temporary instructions U 132-57/Minstroi for the removal and purification of waste water from shipyards and machinery construction plants] Vremennye ukazaniia po otvedeniiu i ochistke proizvodstvennykh stochnykh vod predpriiatii sudostroitel'noi i mashinostroitel'noi promyshlennosti. (U 132-57/Minstroi). Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1958. 65 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. (Factory and trade waste)

L 04446-67 EWT(1)/FCC GW

ACC NR: AP6018936 SOURCE CODE: UR/0203/66/006/003/0618/0621

52
B

AUTHOR: Mamrukov, A. P.; Kiselev, V. A.; Kornil'yev, V. M.

ORG: Institute of Cosmic Physics Investigation and Aeronomy, Yakutsk Branch, SO AN SSSR (Institut kosmofizicheskikh issledovaniy i aeronomii Yakutskogo filiala SO AN SSSR)

TITLE: A device for visible registration of the H component of the Earth's magnetic field 12

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 618-621

TOPIC TAGS: earth magnetic field, magnetic field measurement, electronic circuit

ABSTRACT: An experimental device for the registration by pen on graph paper of the variations of the H-component of the Earth's magnetic field is described. Appropriate sensors enable the device to register arbitrary components of the magnetic field. The device, now in operation in Yakutsk, consists of a sensor in a constant temperature chamber and a registering device placed 100 m away and connected by an underground cable. The sensor consists of a magnetic variometer equipped with two FS-K2 photoresistors. The paper presents the basic theory, the circuit diagram, and transformer data. The sensitivity of the device may be varied

Card 1/2 UDC: 550.386:681.2

L 04446-67

ACC NR: AP6018936

by changing the resistance in the d-c amplifier grid circuit yielding 3, 1.5, and 0.5 V/mm. An example of field component registration is also given. Orig. art. has: 1 formula, 3 tables, and 1 figure.

SUB CODE: 08, 14, 20/ SUBM DATE: 28Jul65/ ORIG REF: 002

Card 2/2

BELL, L.N.; CHMORA, S.N.; [redacted], V.P.

Apparatus for quantitative determination of radiation (photointegrator). Fiziol. rast. 6 no.4:504-507 Jl-Ag '59. (MIRA 12:10)

1.K.A. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of Sciences, Moscow.
(Botanical apparatus) (Solar radiation)

BELL, L.N.; CIMORA, S.N. [Chmora,S.N.]; KORNILIEV, V.P. [Kornil'yev,V.P.]

Apparatus for determining the length of exposure, photointegrator. Analele biol 14 no.2:183-187 Ap-Je '60. (EEAI 9:11)
(LIGHT)

KORNILYUK, Yu.I.

VYSOTSKIY, I.V.; YEREMENKO, N.A.; KLITOCHENKO, I.F.; KORNILYUK, Yu.I.
MAKSIMOV, S.P.

Classification of drilled wells. Geol. nefti i gaza no.8:8-12 Ag '57.
(MIRA 10:12)

(Oil wells--Classification)

KUNIN, S. V.

36047 Usovershenstvovaniye metodov stroitel'stva magistral'nykh gazoprovodov. MeKhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, No. 11, S. 34-40

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, 1949

KORNIS, GY.

Electric power economy in the textile industry; alos, remarks by S. Frischmann and others. p. 458. (MAGYAR TEXTILTECHNIKA, Budapest, Hungary), No. 11/12, Dec. 1954.

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 4, No. 5, May 1955.

KORMIS, F.

Battles of the Red Army of the Hungarian Republic of Soviets. p. 259. TERMESZET ES TARSADALOM. (Tarsadalomtudomanyi es Termeszettudomanyi Ismeretterjeszto Vallalat) Budapest. Vol. 114, no. 5, May 1955. From Lenin's legacy; Lenin's guidance for workers in cultural propaganda work. p. 257.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, no. 6, June 1956

BEKE, Denes; KORBONITS, Dezso; M. Kornis, Rozsa

Data on the chemistry of heterocyclic, pseudobasic amino-carbinols. Pt. 13. Magy kem folyoir 65 no. 9:369-371 S '59.

1. Budapesti Muszaki Egyetem Szerves-Kemiai Tanszeke.
2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi taja (for Beke).

25 (6), 24 (4) SOV/32-25-5-15/56

AUTHOR: Kornishin, K. I.

TITLE: The Application of Xerography in the Roentgenographic Defectoscopic Determination (Primeneniye kserografii v rentgenodefektoskopii)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 565-569 (USSR)

ABSTRACT: The xerographic (X) method (Refs 1-6) is applied by having an electrostatic image formed on the surface of a semiconductor through irradiation of an electrically charged layer of the latter. The said image is made visible by the aid of any electrically charged powder. Selenium or zinc oxide is used most as photosemiconductor for the production of xerographic films, in which case Se is applied on a metallic basis in vacuum, and ZnO, dispersed in a resin (e.g. BF-2), is applied on paper. Electric charging of xerographic films occurs in a special apparatus (Fig 1) by a point discharge, in which case the use of a high-frequency generator is the most suitable. A voltage of 15 kv is sufficient, as the potential of the film tends toward a certain limit (2300 v), that depends on the thickness of the Se-film (Fig 2), and not on the potential of the charge electrode and the discharge duration

Card 1/2

(Fig 3). It is pointed out that in the case of a shorter time of exposure the film is to be exposed immediately after irradiation as it then exhibits the sharpest contrast. X-ray photographs were taken with an apparatus RUM. A xerographic print is shown that was obtained by an X-ray irradiation of a cast piece of the alloy AL 9 (Fig 6) and the following advantages offered by the (X) method as compared to the halide photography are mentioned: there is a short time interval between exposure end and production of the picture; no dark-room is required; xerographic films may be repeatedly used (500-600 exposures); resolving power is unlimited and the material required is cheap. Data are given concerning xerographic films with equal roentgenographic sensitivity as the films employed in the work reported in the present paper (Table). There are 6 figures, 1 table, and 10 references, 3 of which are Soviet.

S/032/63/029/001/013/022
B104/B186

AUTHOR: Kornishin, K. I.

TITLE: Electrostatic powder flaw detection

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 1, 1963, 48-51

TEXT: On the basis of American studies (Detecting cracks in glass-to-metal seals, Electronics, 28, no. 3, 284 (1955), Nondestructing Testing Handbook, v. II, The Ronald Press Co., New York (1959)) a method, resembling magnetic particle testing, is described in application to surface flaw detection in porcelain, silicate etc. using electrostatic powder particles. The concentration of electrically charged powder particles on cracks in parts having an electrically conducting base (e. g. enameled sheet iron) and on parts made of non-conducting materials is discussed. In the first case the positively charged powder particles are caught in the cracks by orientation of the molecular dipoles of the dielectric, in the second case the surface must be moistened with an ionogenic liquid containing ions of both signs. The positive powder particles interact with the negative ions of the liquid and gather on

Card 1/2

Electrostatic powder flaw detection

the cracks. The powder becomes electrically charged when passing through the mouthpiece. Best results were obtained with pulverized calcium carbonate and with solutions containing 0.25 to 0.50% of CB -1057 (SV-1057) and CB-1019 (SV-1019) wetteners, similar to those used in the photographical industry for putting emulsions on bases. The sensitivity of the method depends on the test material. In some cases flaws less than 0.1μ wide could be traced. There are 5 figures.

Card 2/2

KORNISHIN, K.I.

Use of contrast liquids in X-ray analysis. Zav.lab. 30 no.4: 447-449 '64. (MIRA 17:4)

KORNISHIN, M. S.

"On the Stability and Large Deflections of a Slanted Cylindrical Panel Under the Action of a Uniform External Normal Pressure." Cand Tech Sci, Kazan' Aviation Inst, Min Higher Education USSR, Kazan', 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

124-57-1-864

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 115 (USSR)

AUTHORS: Kornishin, M. S., Mushtari, Kh. M.

TITLE: Stability of an Infinitely Long Slanting Cylindrical Panel Under the Action of a Normal Uniform Pressure (Ustoychivost' beskonechno dlinnoy pologoy tsilindricheskoy paneli pod deystviyem normal'nogo ravnomernogo davleniya)

PERIODICAL: Izv. Kazansk. fil. AN SSSR, ser. fiz.-matem. i tekhn. n., 1955, Nr 7, pp 36-50

ABSTRACT: The paper offers a theory of large deflections of an infinitely long, slanting, circular cylindrical panel subjected to the action of a uniform normal pressure from the convex side. The edges of the panel are considered attached; the cases of hinged and fixed attachments of the edges are examined. Equations are written linking the deflection of the panel and the stresses at the center of the surface with the intensity of the load; these relationships appear to be exact within the limits of the assumptions made in the theory of slanting shells. An exact analysis is carried out for the character of the deformation of the panel having differing degrees of curvature. The conditions for the

Card 1/2

124-57-1-864

Stability of an Infinitely Long Slanting Cylindrical Panel (cont.)

formation of a loop-shaped "deflection-versus-load" curve are found, and the upper and lower values of the loading intensity are indicated. The effect of initial deviations from the circular shape upon the comportment of the panel are evaluated. It is shown than an initial antisymmetrical deflection can strongly influence both the upper and the lower critical loading. Some relationships for the exact solution of the given problem were earlier obtained by I. G. Bubnov [Tr. po teorii plastin (Studies on the Theory of Plates), 1953, pp 282-284].

A. S. Vol'mir

1. Cylindrical planels--Stability--Mathematical analysis 2. Cylindrical panels --Theory

Card 2/2

KORNISHIN, M. S.

SOV/124-58-5-5700

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p l 10(USSR)

AUTHORS: Mushtari, Kh. M., Kornishin, M. S.

TITLE: On the Convergence of the Galerkin Method When Determining the Upper and the Lower Critical Load Limits in a Particular Nonlinear Problem (O skhodimosti metoda Galerkina pri opredelenii verkhney i nizhney kriticheskikh nagruzok v odnoy nelineynoy zadache)

PERIODICAL: Izv. Kazansk. fil. AN SSSR. Ser. fiz.-matem. i tekhn. n., 1956, Nr 10, pp 27-30

ABSTRACT: A shallow cylindrical shell of infinite length subjected to an external uniform pressure is examined. By applying the Bubnov-Galerkin method the authors calculate the upper (P_u) and the lower (P_e) critical loads for the given problem. On the basis of the calculations performed it is demonstrated that in case of a pin-joint-supported shell, for a wide range of shell-parameter variations, the P_u and P_e values can be determined with sufficient accuracy for all practical purposes by the second approximation. In the case of a clamped shell the P_u value is determined with sufficient accuracy by the second approximation,

Card 1/2

SOV/124-58-5-5700

On the Convergence of the Galerkin Method (cont.)

while the P_e value requires four approximations. In the two cases mentioned above the Bubnov-Galerkin method approximates the P_e value on the lower side of the true value.

I. I. Vorovich

1. Cylindrical shells--Mechanical properties
2. Cylindrical shells--Mathematical analysis

Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR.

Card 2/2

SOV/124-57-5-5881

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 123 (USSR)

AUTHOR: Kornishin, M. S.

TITLE: The Influence of an Unsymmetrical Deviation From the Regular Shape on the Deformation of a Shallow Panel Under the Action of a Transverse Load (Vliyaniye nesimmetrichnoy nepravil'nosti na deformatsiyu pologoy paneli pri poperechnoy nagruzke)

PERIODICAL: Izv. Kazansk. fil. AN SSSR, Ser. fiz.-matem. i tekhn. n., 1956, Nr 10, pp 63-68

ABSTRACT: The dependence of the pressure on the deflection is determined for a cylindrical panel, freely supported along all sides, having a sinusoidally patterned initial deviation from its ideal shape. The problem is solved under the premise of nonlinearity by integrating the three displacement-equilibrium equations by means of the Bubnov-Galerkin method. An explicit solution is provided for the case of a panel having a length/width ratio of 2; in particular, the author determines the minimal value of the initial curvature at which unsymmetrical buckling of the panel occurs without any initial deflection. It remains to be seen just why that value of the

Card 1/2

The Influence of an Unsymmetrical Deviation From the Regular Shape (cont.)

curvature, which had been obtained for a side ratio of 0.5, should be adduced as a general criterion for the shallowness of a panel.

N.A.Alfutov

SOV/147-58-3-5/18

AUTHOR: Kornishin, M.S.

TITLE: The Bending and Stability of Curved Cylindrical Panels and Plates with Elastic Ribs (Izgib i ustoychivost' pologikh tsilindricheskikh paneley i plastin s uprugimi rebrami)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Aviatsionnaya Tekhnika, 1958, Nr 3, pp 34-38 (USSR)

ABSTRACT: The bending and stability is investigated under the action of a uniform transverse load and axial forces on curved cylindrical panels and plates which are rectangular in plan and whose boundaries are supported by elastic ribs which are flexible in the tangent plane. A method of constructing the stress function is given which takes into account the reaction of the ribs. The problem can then be solved by applying the Bubnov-Galerkin method to each of the two equations

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SOV/147-58-3-5/18

The Bending and Stability of Curved Cylindrical Panels and Plates with Elastic Ribs

in the theory of curved shells. There are 2 Soviet references.

ASSOCIATION: Kazanskiy Filial AN SSSR, Kafedra teoreticheskoy Mekhaniki Kazanskogo Khimiko-tekhnologicheskogo Instituta (Kazan' Branch of the Ac.Sc.USSR. The Chair of Theoretical Mechanics of the Kazan' Chemico-technological Institute)

SUBMITTED: 7th January 1958.

Card 2/2

68941
S/147/59/000/04/018/020
E031/E413

24.4100

AUTHOR: Kornishin, M.S.

TITLE: On the Solution of a System of Non-Linear Algebraic Equations in the Theory of Shells

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1959, Nr 4, pp 151-154 (USSR)

ABSTRACT: The equations discussed arise in solving non-linear problems in the theory of plates and shells and depend on a parameter λ for a range of values of which the solution of the equations is required. Suppose that for a series of values $\lambda_1, \lambda_2, \ldots, \lambda_k$ the roots of the system of equations have been found. To find the solution corresponding to the next value of λ, λ_{k+1}, by the method of successive approximations, convergence will be speeded up if we can find a good initial guess. The correction to this guess is found by solving a linear system of equations. If as a first approximation to the roots in the case $\lambda = \lambda_{k+1}$ we take the roots for $\lambda = \lambda_k$, the correction term will be of order δ (where δ is increment between successive values of λ and is assumed to be constant).

Card 1/2

KORNISHIN, M.S. (Kazan'); MUSHTARI, Kh.M. (Kazan')

Algorithm of a solution of nonlinear problems in the theory of sloping shells. Prikl. mat. i mekh. 23 no.1:159-163 Ja-F '59. (MIRA 12:2)

(Elastic plates and shells)
(Differential equations, Partial)

KORNISHIN, M. S.

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

11234. A. A. Il'yushin (Moscow): Problems of the theory of plasticity under combined loading.

11235. V. K. Kabulov (Tashkent): Elastic-plastic vibrations of rods of non-circular cross section.

11236. V. S. Kalinin (Leningrad): The forced non-linear flexural vibrations of a homogeneous prismatic rod and a very long rectangular plate.

11237. S. Kaliski (Warsaw): On a method of solving the equations of motion for an infinite anisotropic medium in the presence of a magnetic field.

11238. S. N. Kan, P. A. Shalmi (Kharkov): An engineering method for the design of open prismatic shells.

11239. I. I. Kandaurov (Leningrad): The distribution of vertical compressive stresses and strains in foundations in homogeneous or stratified soils.

11240. B. Ia. Kantor (Kharkov): Bending of cantilever plates of variable stiffness.

11241. K. S. Karapetian (Erevan): The effect of aging and anisotropy on the creep of concrete.

11242. L. M. Kachanov (Leningrad): On the time of rupture in creep.

11243. L. M. Kachanov (Leningrad): On some variational principles and methods in the theory of plasticity.

11244. K. A. Kerimov (Baku): A procedure of determining an impact tension diagram for large deformations.

11245. N. A. Kil'chevskii (Kiev): Some generalizations of the formulation of elasto-static and elasto-dynamic contact problems and methods for their solution.

11246. A. Kh. Kim (Omsk): The flow of a visco-plastic medium in a cone.

11247. K. A. Kitover (Leningrad): On the elastic equilibrium of thin, infinite orthotropic plates.

11248. G. V. Kovalev (Kharkov): Models of the influence surfaces for the intensity of the bending moment in thin plates and shells.

11249. A. D. Kovalenko (Kiev): Shallow shells of revolution of variable thickness in a three-dimensional temperature field.

11250. M. Kolarov (Sofia): Dynamic stability of cylindrical and spherical shells.

[illegible]. [illegible]: The influence of initial imperfections of shape on the stability of thin elastic cylindrical sandwich shells under axial compression.

11252. W. T. Koiter (Delft): Elastic stability and post-buckling behavior.

11253. A. S. Kondrat'ev (Kuibyshev), Yu. P. Markov (Orenburg): The effect of support elasticity on the natural vibrations of rods.

11254. I. M. Kopev, L. A. Oding (Moscow): Strength and plasticity of "whiskers".

11255. B. G. Korenev (Moscow): The design of flexible plates and beams on elastic foundation.

11256. M. S. Kornishin (Kazan): Bending of rectangular shallow shells with elastic ribs.

11257. M. S. Kornishin (Kazan): On the solution of the nonlinear algebraic equations of shell theory.

11258. V. G. Korotkin, D. M. Tartakovskii (Leningrad): The one-dimensional problem of the consolidation of a sediment layer with variable specific weight and variable water permeability.

11259. A. S. Kosmodamianskii (Saratov): The elastic equilibrium of anisotropic plate with a finite number of elliptical holes.

11260. Yu. I. Kosterin (Iaroslavl), I. V. Kragel'skii (Moscow): Rheological phenomena in dry friction.

11261. Yu. V. Kretov (Stalinsk): Lateral stability of coupled arches with double curvature.

11262. A. I. Kuznetsov (Leningrad): On the theory of plane plastic stress.

11263. V. S. Kul'..., L. V. Nikitin (Moscow): Propagation of elastic, visco-plastic waves in bars.

11264. V. D. Kupradze (Tbilisi): The investigation of contact problems in the theory of elasticity by the method of singular integral equations.

11265. N. V. Lazarevskaia (Moscow): The investigation of the deformations of drains on models by the X-ray method.

11266. A. Langenbach (Berlin): Application of the non-linear variational principle to some problems of the theory of elastic-plastic strains.

11267. S. M. Levi (Moscow): The investigation of rheological properties of gelatin solutions.

24.4100 1.2000

69318
S/147/60/000/01/007/018
E031/E535

AUTHOR: Kornishin, M.S.

TITLE: The Bending of Curved Shells of Rectangular Planform Shells with Elastic Ribs

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1960, Nr 1, pp 63-67 (USSR)

ABSTRACT: The flexure is caused by uniform transverse loads directed towards the centre of curvature. The corners of the shell are fixed so as to be immovable and the edges are attached by hinges to ribs which are rigid in the normal plane and flexible in the tangent plane. The effect is discussed of the rigidity with respect to the tangential displacements of the ribs on the deformation of the shell. The expressions for the components of the tangential displacements are a synthesis of the usual representation of these components and the hypothesis that the mean surface is inextensible. The question of the convenience of this representation is discussed. It is stated that in the present case it is

The Bending of Curved Shells of Rectangular Planform Shells with Elastic Ribs

justified. Numerical calculations were undertaken on the electronic digital computer "Strela" and results for a square plate and a square dome are presented. Finally the influence of the rigidity of the ribs is discussed. At first sight it appears that a shell attached on its contour to ribs of 15-20 times its thickness could be considered as having immovable edges. In fact this is not so. The increase in the loading parameters with such ribs for both the plate and the dome is relatively small. From additional calculations of the increment to the loading parameter it is seen that it is approximately proportional to the rigidity of the ribs and hence the relationship can be used to evaluate the effect of ribs of smaller rigidity than in the sample.

Card 2/2

There are 3 figures and 4 Soviet references.

ASSOCIATION: Kazanskiy filial AN SSSR (Kazan' Branch of the Ac.Sc., USSR)

SUBMITTED: July 30, 1959

32893
S/044/61/000/012/049/054
C111/C222

16.6500

AUTHOR: Kornishin, M. S.

TITLE: The application of the collocation method to the solution of several linear and non-linear problems of the theory of plates

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 48, abstract 12V281. ("Izv. Kazansk. fil. AN SSSR. Ser. fiz.-matem. i tekhn. n", 1960, vyp. 14, 43-54)

TEXT: Described are some considerations of a practical nature (how to choose the form of the desired approximate solution, the collocation points, etc.) regarding the applicability of the collocation method to solve partial differential equations. An estimate of errors is given, which is based on an "examination of the factual instability". A method is given to improve the solution with the aid of an "equivalent" correction.

[Abstracter's note: Complete translation.]

Card 1/1

KORNISHIN, M.S.

Use of the collocation method in solving certain linear and nonlinear problems in the theory of plates. Izv.Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekh.nauk no.14:43-54 '60. (MIRA 14:11)

(Differential equations)
(Elastic plates and shells)

16.6700

S/044/62/000/008/043/073
C111/C222

AUTHORS: Kornishin, M.S., Kasimova, D.A.

TITLE: On a method for solving systems of non-linear difference equations for the plate bending

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 30, abstract 8V155. ("Tr. konferentsii po teorii plastin i obolochek, 1960". Kazan', 1961, 191-198)

/B

TEXT: The authors describe a method for solving the non-linear difference equations for the plate bending. The method is based on the general iteration method and on the application of the extrapolation for determining the roots of the zero approximation. With this method systems of non-linear difference equations have been solved which occur when considering large bendings of quadratic plates with flexible and fixed boundaries, if the stress is uniformly distributed or acts on a small surface in the neighborhood of the center. Results of the calculations carried out on the computer "Strela" are given. It is mentioned that the solution of the system of equations required 13

Card 1/2

On a method for solving ...

minutes for 28 values of the stress understood as parameter and that, when applying the method of Seidel, one needs more than ten times as much iterations for equal exactness.

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[Abstracter's note : Complete translation.]

Card 2/2

The application of successive ...

of which is smaller than 0.1%, plays an essential rôle. A table of the calculation results carried out on the computer "Strela" is given. The calculation was carried out for a round plate and a very flat spherical segment under uniformly distributed stress and under boundary conditions corresponding to the rigid, sliding and flexible clamping. In all cases the exactness $\varepsilon = 10^{-1}$ for 3-4 successive approximations was attained ; the solution of one problem required 20-25 minutes computer time for 16 values of bending in the center.
Bibliography : 4 titles.

[Abstracter's note : Complete translation.]

Card 2/2

MUSHTARI, Kh.M., red.; ALUMYAE, N.A., red.; BOLOTIN, V.V., red.; VOL'MIR, A.S., red.; GANIYEV, N.S., red.; GOL'DENVEYZER, A.L., red.; ISANBAYEVA, F.S., red.; KIL'CHEVSKIY, N.A., red.; KORNISHIN, M.S., red.; LUR'YE, A.I., red.; SAVIN, G.N., red.; SACHENKOV, A.V., red.; SVIRSKIY, I.V., red.; SURKIN, R.G., red.; FILIPPOV, A.P., red.; ALEKSAGIN, V.I., red.; SEMENOV, Yu.P., tekhn. red.

[Proceedings of the Conference on the Theory of Plates and Shells] Trudy Konferentsii po teorii plastin i obolochek, Kazan', 1960. Kazan', Akad. nauk SSSR, Kazanskii filial, 1960. 426 p. (MIRA 15:7)

1. Konferentsiya po teorii plastin i obolochek, Kazan', 1960. 2. Moskovskiy energeticheskiy institut (for Bolotin). 3. Kazanskiy khimiko-tekhnologicheskiy institut (for Ganiyev). 4. Institut mekhaniki Akademii nauk USSR (for Kil'chevskiy). 5. Kazanskiy gosudarstvennyy universitet (for Sachenkov). 6. Kazanskiy filial Akademii nauk SSSR (for Svirskiy).
(Elastic plates and shells)

S/124/63/000/001/045/080
D234/D308

AUTHORS: Kornishin, M.S. and Kasimova, D.A.

TITLE: A method of solving systems of nonlinear finite difference equations of plate bending

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 16, abstract 1V109 (Tr. Konferentsii po teorii plastin i obolochek, 1960. Kazan' 1961, 191-198)

TEXT: The authors describe a method based on the use of a general iteration method combined with extrapolation for obtaining the roots of zero approximation. By this method systems are solved to which the problems of large deflection of hinged or rigidly clamped square plates reduce. The lattice step was chosen equal to one-tenth of the side of the square. Two cases of loading were considered: a uniformly distributed load on the whole plate and a uniformly distributed one on a small area at the center. Calculations were carried out on a 'Strela' computer. 9 references.
[Abstracter's note: Complete translation]

Card 1/1

Korolshin, M.S.

BOROVSKIY, P. V. PHASE I BOOK EXPLOITATION SOV/6206

Trudy Konferentsii po teorii plastin i obolochek; 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan', [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary; N. A. Alumyae, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

Card 1/14

Transactions of the Conference (Cont.) SOV/6206

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan' from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

Card 2/14

S/079/62/000/000/008/038
D234/D308

AUTHOR: Kornishin, M. S. (Kazan')

TITLE: Some problems of application of the method of finite differences to the solutions of boundary problems of the theory of shells

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 97-100

TEXT: The author gives several examples: 1) Axially symmetrical bending of a square plate with clamped edges and uniform transverse load. The plate is divided into 100 meshes and the biharmonic operator is replaced by the well-known approximation having an error of the order $O(h^2)$. 15 linear equations are obtained. If 5 of these equations are replaced by relations following from

$$\frac{\partial F}{\partial \xi} = 0 \qquad (5)$$

Card 1/2

S/879/62/000/000/010/088
D234/D308

AUTHOR: Kornishin, M. S. (Kazan')

TITLE: Estimation of error and methods of increasing the accuracy of solution of boundary problems of the theory of shells by the method of finite differences

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 106-108

TEXT: The author considers a modification of Runge's principle which does not require two or more solutions with different lattice spacings. A formula is obtained for the order of error and for the solution improved by extrapolation, using an $O(h^2)$ approximation. A more exact method is based on an $O(h^4)$ approximation:

$$lu_{ik} = \psi_{ik} + O(h^4) \qquad (2.1)$$

Card 1/2

Estimation of error ...

S/879/62/000/000/010/088
D234/D308

if a solution with an $O(h^2)$ approximation ($\bar{u}_{ik}$) is known. The corrections are found from

$$L\bar{\Delta u}_{ik} = \Delta\bar{\psi}_{ik} \qquad (2.3)$$

where

$$\Delta\bar{\psi}_{ik} = l\bar{u}_{ik} - \psi_{ik} - O(h^4). \qquad (2.2)$$

Card 2/2

L 18427-63 EWP(r)/EWT(m)/BDS AFFTC JD

ACCESSION NR: AP3006349 S/0258/63/003/003/0490/0497

53

AUTHORS: Kornishin, M. S.; Isanbayeva, F. S. (Kazan)

TITLE: Deflection of flexible plate with hinged ends

SOURCE: Inzhenerny*y zhurnal, v. 3, no. 3, 1963, 490-497

TOPIC TAGS: deflection, flexible, uniform load

ABSTRACT: Solutions have been obtained for a set of nonlinear plate deflection problems (with hinged ends) using the method of finite differences in increasing accuracy. Five sets of symmetric loadings are considered: continuous load with constant magnitude P_{01}, parabolic load, triangular (pyramidal) load, and two concentrated loads, one over 9/64th of the plate area and the other, on 1/64th. The nonlinear two-dimensional deflection equations are written in difference form and computed numerically on the computer "Strela" at the computer center of AN SSSR (Academy of Sciences, SSSR). The results are given both in tabular and graphic forms. Two sample figures are given in the Enclosure. Figure 1 shows plots of plate deflections at the center versus uniform loading (first of above set). Figure 2 shows maximum deflection of a square plate as function of total load p_t^* with type of loading as a parameter (p_t^* is the integral of the load distribution over the

Card 1/3

L 18427-63

ACCESSION NR: AP3006349

plate area). Orig. art. has: 24 equations, 6 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 16Jun62 DATE ACQ: 27Sep63 ENCL: 01

SUB CODE: AP NO REF SOV: 005 OTHER: 003

Card 2/2

KORNISHIN, M.S. (Kazan'); ISANBAYEVA, F.S. (Kazan')

Some problems in the bending of flexible plates. Inzh.zhur. 3 no.4:721-727 '63. (MIRA 16:12)

L 18233-63 BDS/EWT(m)/EWP(r) AFFTC

ACCESSION NR: AP3000458 S/0198/63/009/003/0289/0298

AUTHOR: Kornishyn, M. S.

TITLE: On the application of the method of finite differences to the solution of boundary problems of the theory of plates

SOURCE: Prykladna mekhanika, v. 9, no. 3, 1963, 289-298

TOPIC TAGS: plate bending, deflection function, finite difference method, boundary conditions, finite-difference equilibrium reaction, equilibrium reaction, plate theory

ABSTRACT: The authors consider the possibility of replacing some of the finite-difference equilibrium equations by relations of the boundary condition and adjoining condition types. Numerical examples are given. A method is proposed for determining the deflection function at points beyond the boundary when applying the refined method of finite differences. The method of finite differences is applied to the problem of bending a circular by a concentrated force. The discussion is confined to problems of bending of plates, but the conclusions drawn can also be applied to other problems. Orig. art. has: 55 equations, 2 figures, and 1 table.

Card 1/2

L 18233-63

ACCESSION NR: AP3000458

ASSOCIATION: Fizyko-tekhnichnyy instytut Kazans'kogo filialu AN URSR (Engineering Physics Institute, Kazan' Affiliate of the AN URSR)

SUBMITTED: 2Mar62 DATE ACQ: 19Jun63 ENCL: 00

SUB CODE: PH NO REF SOV: 003 OTHER: 000

Card 2/2

L 17598-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/EWP(k)/EWA(h) Pf-4/Peb EM/MLK
ACCESSION NR AM4048675 BOOK EXPLOITATION S/

Kornishin, M. S.

Nonlinear problems in the theory of plates and spherical shells and methods of their solution (Nelineyny*ye zadachi teorii plastin i pologikh obolochek i metody* ikh resheniya). Moscow, Izd-vo "Nauka", 1964, 191 p. illus., biblio. 3,500 copies printed. (At head of title: Akademiya nauk SSSR. Kazanskiy filial).

TOPIC TAGS: nonlinear shell structure, nonlinear plate structure, spherical shell

TABLE OF CONTENTS [abridged]:

Card 1/2

L 17598-65
ACCESSION NR AM4048675

SUB CODE:AS, MA SUBMITTED: 24Apr64 NR REF SOV: 099

OTHER: 020

Card 2/2

KORNISHIN, M.S. (Kazan'); ISANBAYEVA, F.S. (Kazan').

Elastic rectangular plates uniformly loaded along the axes of symmetry. Inzh. zhur. 5 no.4:675-684 '65. (MIRA 18:9)

KORNISHIN, M.S.

Error in the geometrically linear theory of lateral plate bending. Prikl. mekh. 1 no.10:82-86 '65. (MIRA 18:12)

1. Kazanskiy fiziko-tekhnicheskiy institut. Submitted June 11, 1964.

GOLIKOVA, Z.F.; KORNISHINA, A.M. (g. Saransk)

Experience in conducting chemical evenings. Khim.v shkole 9 no.3: 57-63 My-Je '54. (MLRA 7:6)
(Chemistry--Study and teaching)

C.A. KORNISHKO, P.I.

Apparatus for chlorination of water under village and field conditions. P. I. Kornishko. *Gigiena i Sanit.* 1930, No. 8, 44-7.—A device, based on the Mariot flask principle, is suggested for controlled addn. of chlorinated lime water to drinking water in moderately large containers (up to 1000 l.). G. M. Kosolapoff

WROBLEWSKA-KALUZEWSKA, Maria; KORNISZEWSKA, Jadwiga

Generalized infections in infants caused by Klebsiella pneumoniae. Ped. Pol. 40 no.4:369-374 Ap'65.

1. Z II Kliniki Pediatrycznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. T. Lewenfisz-Wojnarowska).

BORKOWSKI, Marian T.; KORNISZEWSKA, Jadwiga

A case of spontaneous hypercalcemia. Ped. Pol. 40 no.4: 409-412 Ap '65.

1. Z II Kliniki Pediatrycznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. T. Lewenfish-Wojnarowska).

KORNISZEWSKI, Lech; KROTKIEWSKI, Marcin

Biochemical tests in the differentiation of hypoglycemias. Pol. arch. med. wewnet. 34 no.12:1713-1719 '64.

1. Z I Kliniki Pediatrycznej Akademii Medycznej w Warszawie (kierownik: prof. dr. med. R. Baranski) i z II Kliniki Chorob Wewnetrznych Studium Doskonalenia Lekarzy (Kierownik: prof. dr. med. E. Ruzyllo).

KORNISZEWSKI, Lech

A case of Friedreich's disease co-existing with cardiac changes.
Padiat. Pol. 39 no.3:309-313 Mr '64

1. Z I Kliniki Pediatrycznej AM w Warszawie; kierownik: prof. dr.med. R.Baranski.

*

PHASE I BOOK EXPLOITATION SOV/4143

Avtomatizatsiya mekhanicheskoy obrabotki v Leningradskoy promyshlennosti (Automation of Mechanical Machining Processes in Leningrad Industry) Moscow, Mashgiz, 1959. 358 p. Errata slip inserted. 4,000 copies printed.

General Ed.: I.M. Kucher; Reviewers: N.V. Reshetikhin, Candidate of Technical Sciences, Docent, and Ye. V. Miller, Candidate of Technical Sciences, Docent; Eds. of Publishing House: T.L. Leykina and M.A. Chfas; Tech. Ed.: O.V. Speranskaya; Managing Ed. for Literature on Machine-Building Technology (Leningrad Division, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for technical personnel.

COVERAGE: The book deals with the automation of mechanical machining processes in small-lot production in Leningrad industry. The use of hydraulic copying slide rests is explained, and practical experience in the introduction of copying slide rests into leading Soviet plants is described. The improvement of such slide rests, the technical and economic effects resulting from their usage, and methods of designing master forms are discussed. New designs of hydraulic slide rests are described. Emphasis is laid upon problems of program control, especially for the simplest control systems, and a number of the original systems are described. Automation problems involved in the group machining method are investigated. No personalities are mentioned. There are 57 references: 46 Soviet and 11 English.

SECTION II.

NUMERICAL PROGRAM CONTROL

SECTION III.

AUTOMATION IN LOT PRODUCTION BASED ON THE GROUP MACHINING METHOD

AVAILABLE: Library of Congress

Card 5/5

VK/pw/mas
10-25-60

PHASE I BOOK EXPLOITATION SOV/5094

Voronov, Avenir Arkad'yevich, A. R. Garbuzov, B. L. Yermilov, M. B. Ignat'yev, G. G. Kornitenko, G. N. Sokolov and Yang Hsi-Tseng

Tsifrovyye analogi dlya sistem avtomaticheskogo upravleniya; tsifrovyye raznostnyye analizatory (Digital Analogs for Automatic Control Systems; Digital Differential Analyzers). Moscow, Izd-vo AN SSSR, 1960. 195 p. Errata slip inserted. 7,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut elektromekhaniki.

Ed.: A. A. Voronov, Doctor of Technical Sciences; Ed. of Publishing House: I. V. Barkovskiy; Tech. Ed.: V. T. Bochever.

PURPOSE: This book is intended to acquaint scientific and technical personnel with the latest developments in the field of computers.

COVERAGE: Digital differential analyzers are a relatively new development in the field of computers and are not yet well elaborated theoretically. Some of the newest developments in combining universal digital machines

Card 1/8

Digital Analogs for Automatic (Cont.) SOV/5094

with nonlinear interpolators, such as the Ferranti interpolator, are as yet unknown to Soviet readers. While the Soviet literature contains several works describing the principles of construction and operation of differential analyzers intended for operation as computers, the main emphasis in this book is on general methods of synthesizing those machines which are intended to work as systems of automatic control, and also on problems of accuracy in operation. At present digital analogs are used mostly for programmed control of metalworking machines, where several operations, such as preparing data for control, feeding them into the computer, the computing process, and the process of control, are involved. The book investigates only the computing units of the control system. The authors state that the error of integration can be reduced by increasing the number of columns of multidigit numbers in the addend registers or by transition to more accurate, though more complicated, algorithms of approximate integration. However, they find that this complicates the system, and suggest a method which permits simplifying the system while maintaining its accuracy; that is, proceeding from difference, instead of differential, equations. A digital analog based on such principles should be called a digital "difference" analyzer instead of "differential" analyzer. The book discusses problems

Card 2/8

Digital Analogs for Automatic (Cont.) SOV/5094

of synthesis and analysis of both difference and differential equations. Ways to reduce errors and simplify the arrangement of such computers are indicated. The book attempts to present certain theoretical developments in this field and as a first attempt does not claim to give a full solution of the problem. It also includes some general information on systems of computation and on their basic units and presents examples of difference analyzers developed at the Institute of Electromechanics, AS USSR. The introduction, pars. 1-6 and 8 of Ch. III, Ch. IV, pars. 1 and 4 of Ch. V, and pars. 3 and 4 of Ch. VIII were written by A. A. Voronov; pars. 1 and 2 of Ch. VIII by A. R. Garbuzov; Ch. I by B. L. Yermilov; par. 7 of Ch. III and Appendix I by M. B. Ignat'yev; Ch. II by G. G. Kornitenko; and Ch. VI by G. N. Sokolov, all coworkers of the Institute of Electromechanics, AN USSR. Pars. 2 and 3 of Ch. V were written by Yang Hsi-Tseng, coworker of the Academy of Sciences, Chinese People's Republic, and Chapter VII was written jointly by A. A. Voronov and B. L. Yermilov. No personalities are mentioned. There are 76 references: 39 Soviet (including 1 in French and 1 translation) and 37 English.

Card 3/8

KORNITENKO, G.G.; SOKOLOV, G.N.

Device for converting a unitary code during the rotation of the coordinate axis. Sbor. rab. po vop. elektromekh. no.9:45-53 '63.
(MIRA 17:2)

KOVNATSKIY, M. A.; GORN, L. E.; GRODZENCHIK, N. A.; YERMAKOVA, P. M.; KONNIKOVA, G. S.; KORNITS, A. I.; KUZNETSOVA, M. V.; MEL'NIKOVO, L. M.

Lungs - Dust Diseases

Silicatosis; etiology, pathogenesis, clinical aspects. Gig i san. no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

KORNITS, A. I.

KORNITS, A. I. "A clinical-hygienic evaluation of work on mining apatite-nephelite ore." State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov. Leningrad, 1956. (Dissertation for the Degree of Candidate in Medical Sciences)

So: Knizhnaya Letopis', No. 18, 1956

KORNITSKAYA, F.I.

LIVSHITS, B.I.; BRUK, S.I.; KORNITSKAYA, F.I.

Improving precision in machining cams. Stan.i instr. 25 no.3:9-14 Mr '54. (MLRA 7:5)
(Cams)

KORNITSKAYA, Ye.A.; OBRIDKO, V.N.

Calculation of the components of the total vector as observed with a solar magnetograph. Geomag. i aer. 5 no.2:336-341 Mr-Ap '65.
(MIRA 18:7)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR.

TOVAROVA, I. I.; KORNITSKAYA, Ye. Ya.; PUCHKOV, V. A.; VUL'FSON, N. S.; KHOKHLOV, A. S.

"A study of streptomycin biosynthesis."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for Chemistry of Natural Compounds, AS USSR, Moscow.

KORNITSKIY, A.P.

"Some Questions of the Mineral Nourishment of Green Cuttings when they are Being Rooted in Artificial Media";

dissertation for the degree of Candidate of Agricultural Sciences (awarded by **the Timiryazev Agricultural Academy**, 1962)

(**Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii**, Moscow, No. 2, 1963, pp 232-236)

KORNITSKIY, M.A. (Orenburg, ul. Pravdy, d.9, kv.3)

Blood vessels of intraosseous and periosteal metastases. Vop. onk. 10 no.7:14-21 '64. (MIRA 18:4)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. G.S.Bespalov) Orenburgskogo gosudarstvennogo meditsinskogo instituta.

LEVANTOVSKIY, M.I., prof.; KORNITSKIY, M.A.

Clinical aspects and surgical treatment of Barre-Masson disease. Sov. med. 25 no.8:143-146 Ag '61. (MIRA 15:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. M.I. Leventovskiy) Orenburgskogo meditsinskogo instituta (dir. - prof. Z.S.Khlystova).

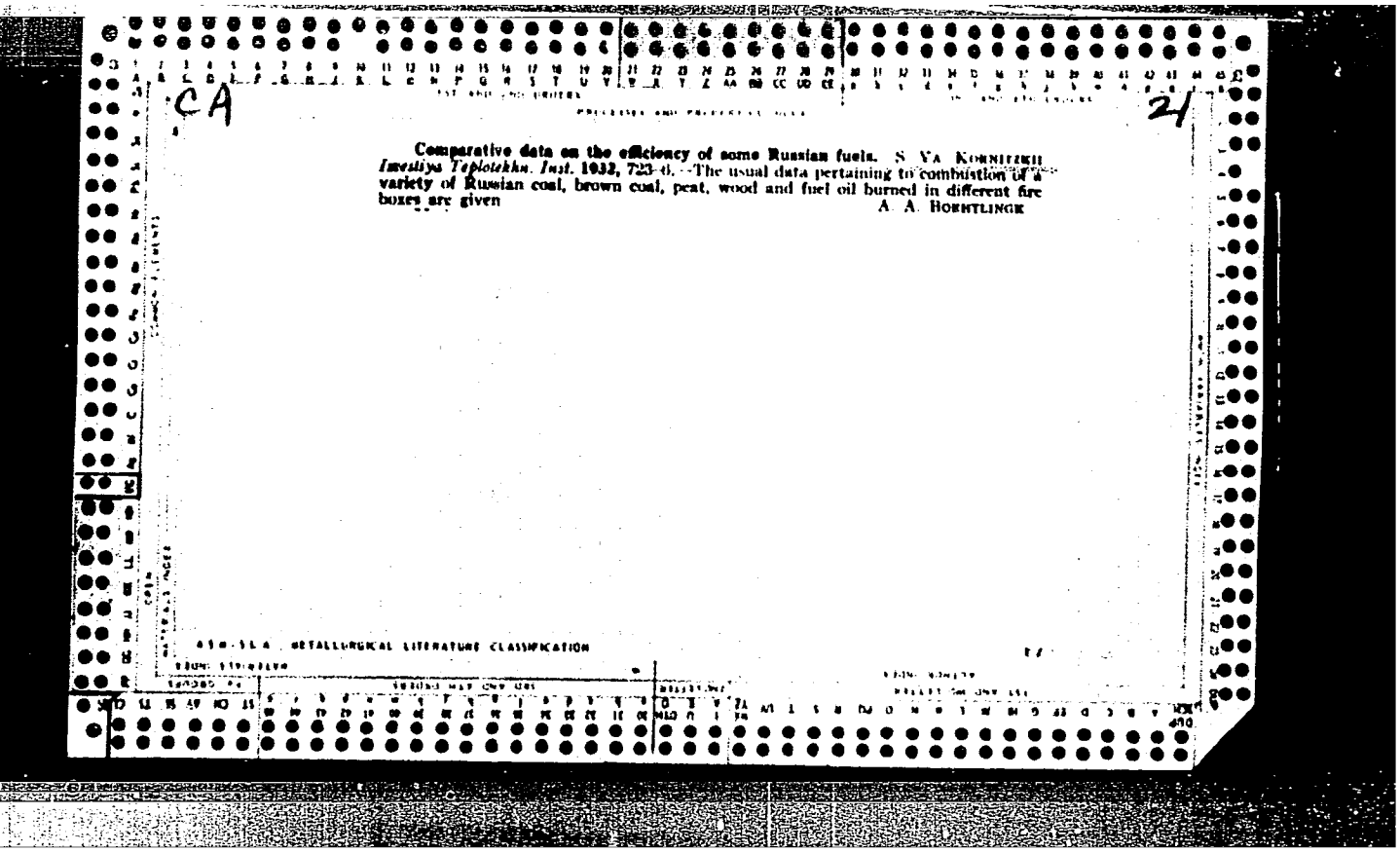
(BLOOD VESSELS--TUMORS)

PROCESSES AND PROPERTIES INDEX

21

Influence of ash in the fuel on the efficiency factor of combustion. S. Ya. Kornitz-kii. *Izvestiya Teplotekh. Inst.* 1932, 330-45.—Various factors affecting the combustion, such as ash, moisture, content of O_2 and of N_2 in the fuel, etc., are analyzed in detail. A. A. Boehtlingk

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



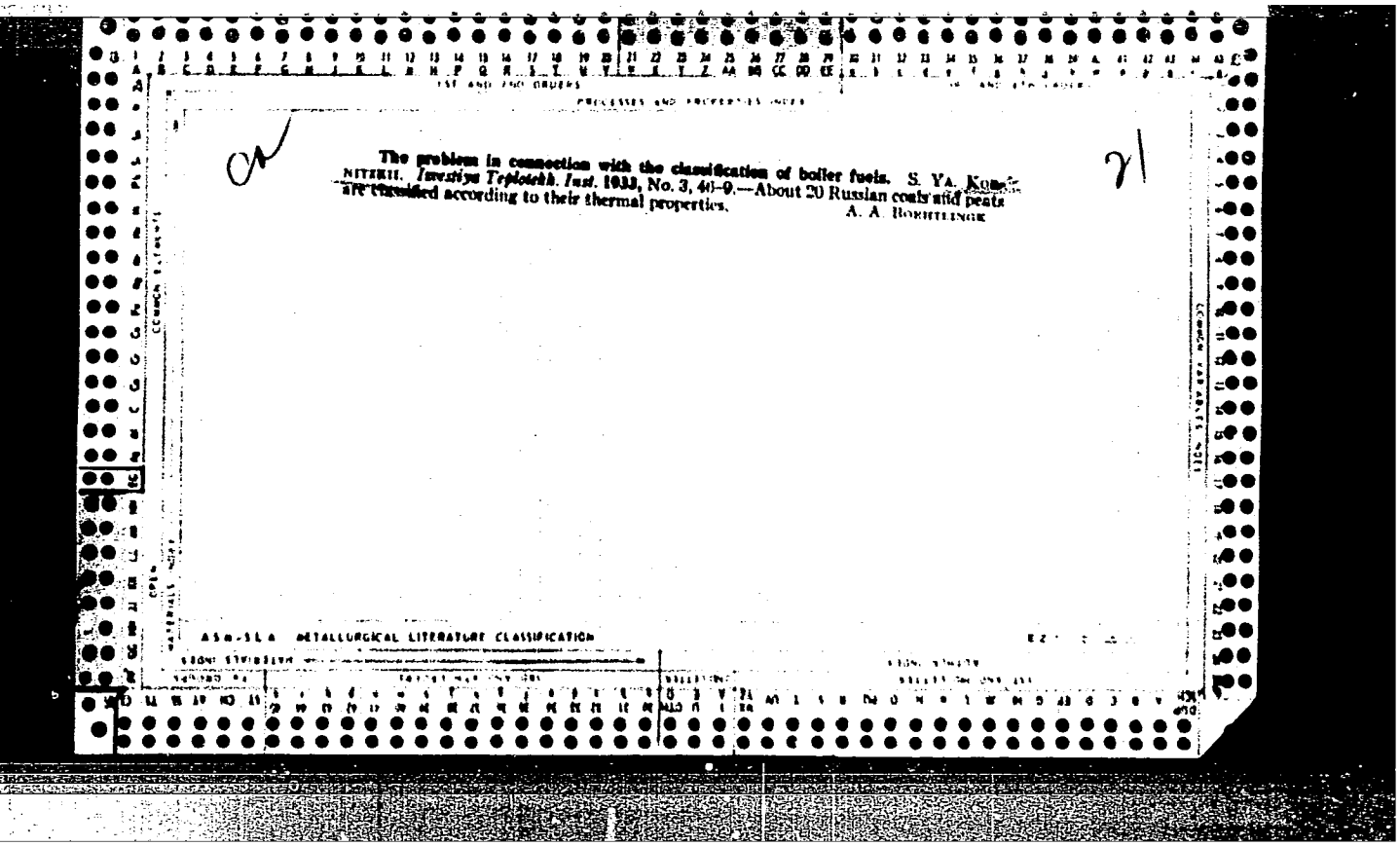
CA

21

Comparative data on the efficiency of some Russian fuels. S. Ya. Kornitzkii. *Izvestiya Teplotekhn. Inst.* **1932**, 723–6.—The usual data pertaining to combustion of a variety of Russian coal, brown coal, peat, wood and fuel oil burned in different fire boxes are given

A. A. Hountlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



The problem in connection with the classification of boiler fuels. S. YA. KOM-NITZKII. *Investiya Teplotekh. Inst.* 1933, No. 3, 40–9.—About 20 Russian coals and peats are classified according to their thermal properties.
A. A. BOBETELINGK

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

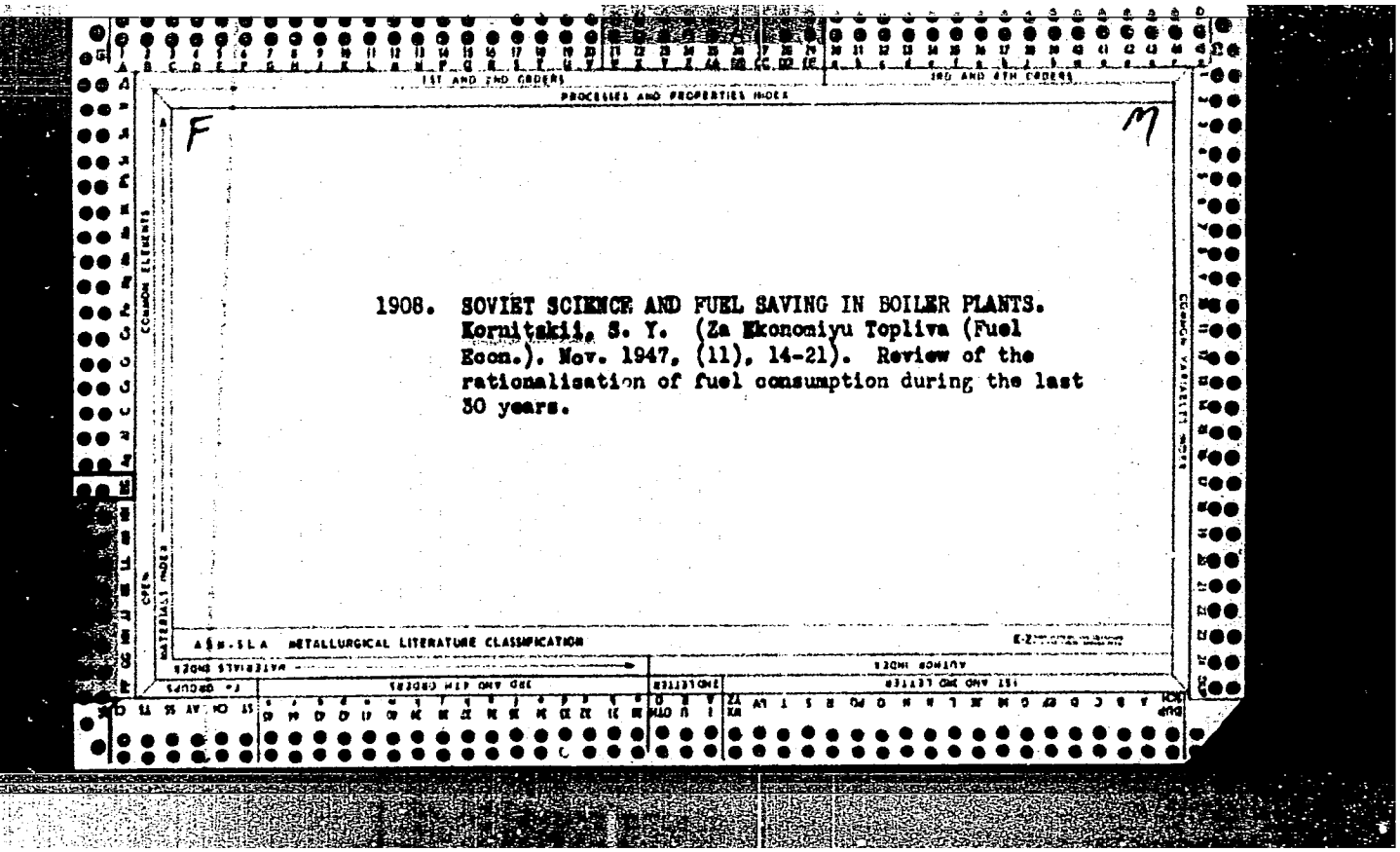
KORNITSKIY, S. YA.

Unifikatsiia parovykh kotlov. Moskva, Gosenergoizdat, 1947. 130 p. diagrs.

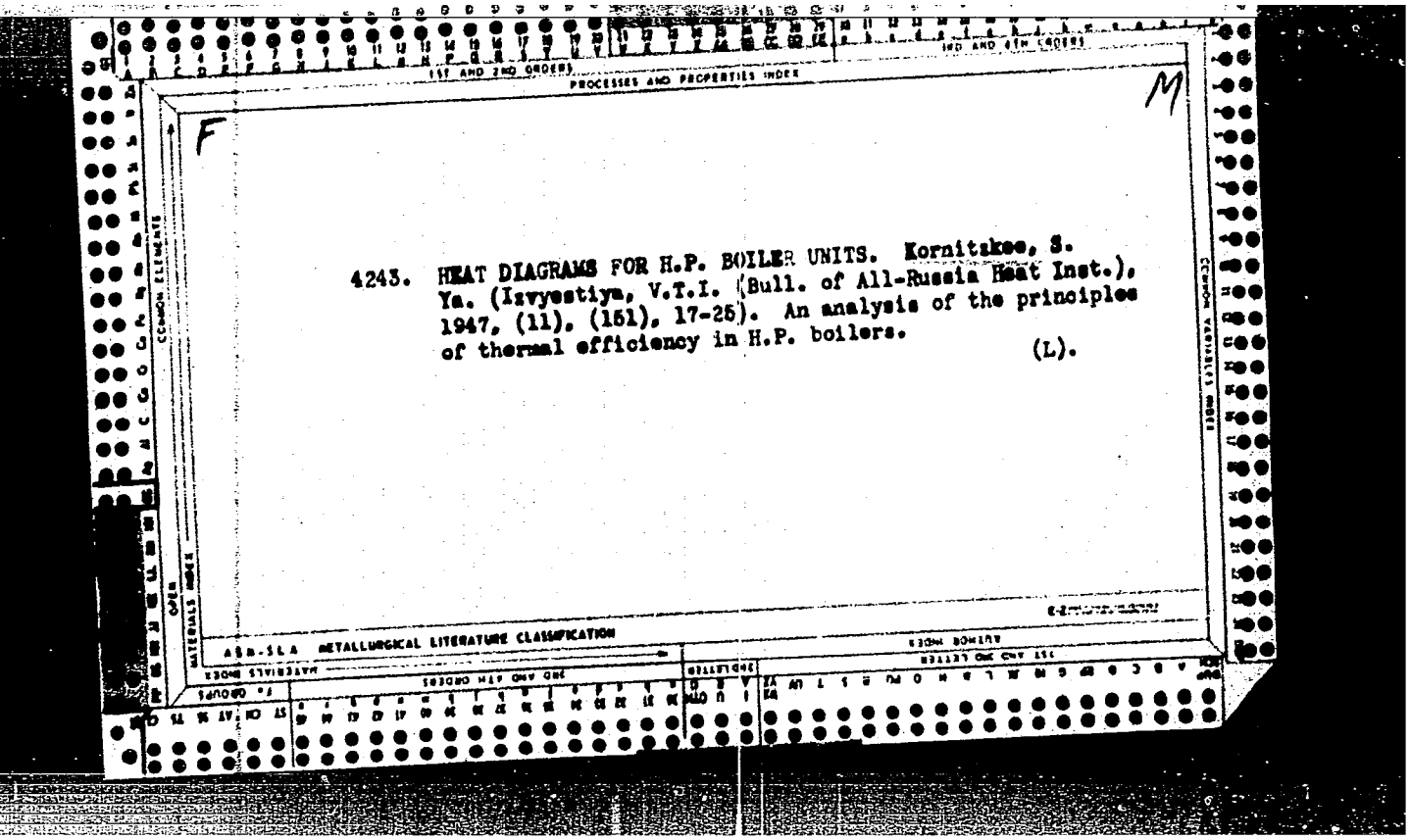
Unification of steam boilers.

DLC: TJ290. K7

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953



1908. SOVIET SCIENCE AND FUEL SAVING IN BOILER PLANTS. Kornitskii, S. Y. (Za Ekonomiyu Topliva (Fuel Econ.). Nov. 1947, (11), 14-21). Review of the rationalisation of fuel consumption during the last 30 years.



4243. HEAT DIAGRAMS FOR H.P. BOILER UNITS. Kornitskee, S. Ya. (Izvyestiya, V.T.I. (Bull. of All-Russia Heat Inst.), 1947, (11), (151), 17-25). An analysis of the principles of thermal efficiency in H.P. boilers. (L).

KORNITSKIĬ, S. IA. and S. V. TATISHCHEV.

Metodika normirovaniia raskhoda topliva dlia otopleniia kotlov maloi i srednei proizvoditel'nosti, oborudovannykh sloevymi topkami. Moskva, Gosplanizdat, 1948. 93 p. diagrs.

Methods of rationing the fuel consumption of small and medium output boilers equipped with laminated furnaces.

DLC: TP320.K66

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953

KORNITSKII, S. IA. and IA. M. RUBINSHTEIN, eds.

Obshchaia teplotekhnika. Dop. v kacheatve ucheben. posobiia dlia vuzov. Moskva, Gosenergoizdat, 1948. 583 p. diagrs. (1 fold. in pocket)

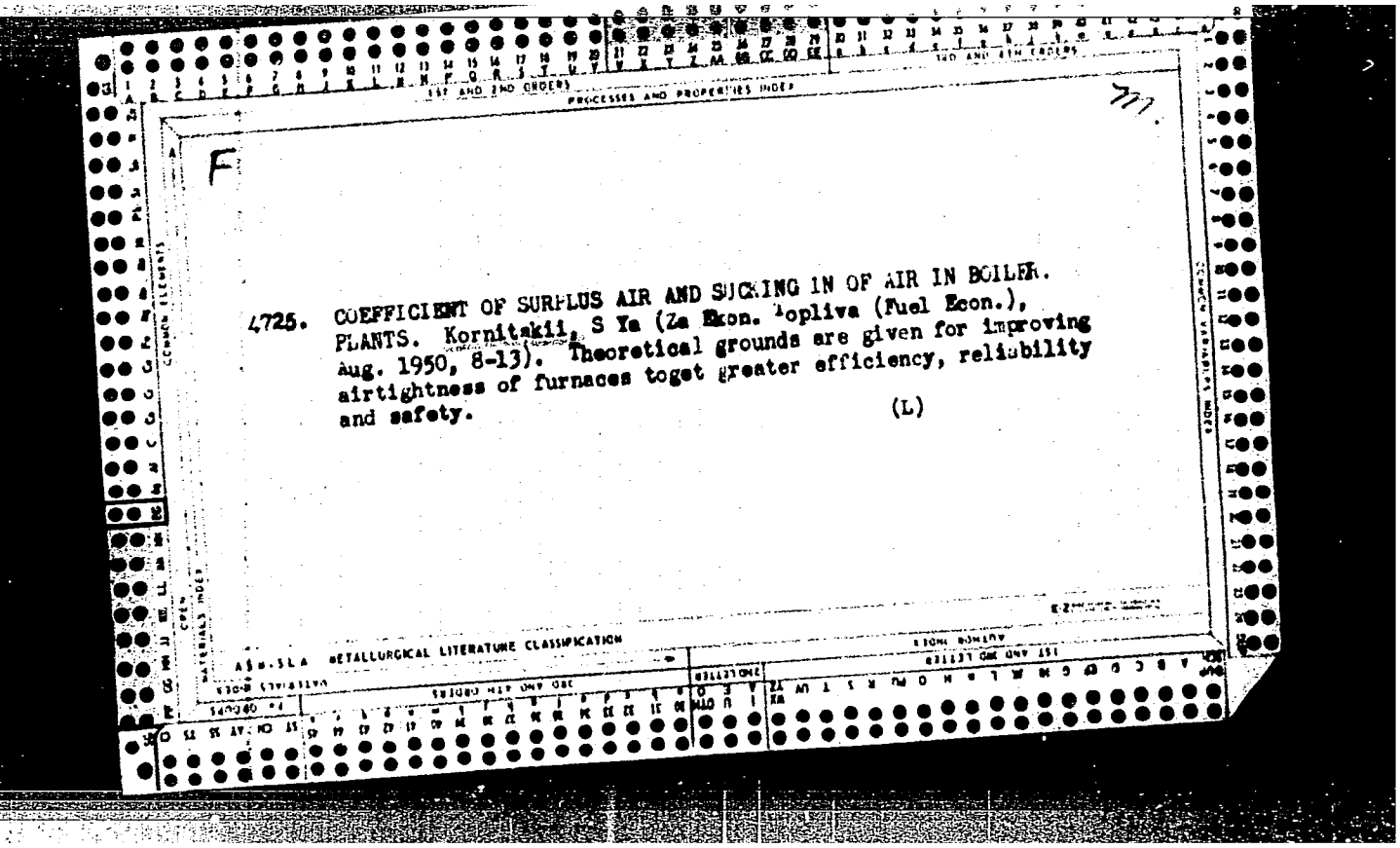
At head of titel: V. P. Eliudov (i dr.)

Bibliography: p. (578).

(General thermotechnics.)

DLC: TJ265.K6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



4725. COEFFICIENT OF SURPLUS AIR AND SUCKING IN OF AIR IN BOILER. PLANTS. Kornitskii, S Ya (Za Ekon. Topliva (Fuel Econ.), Aug. 1950, 8-13). Theoretical grounds are given for improving airtightness of furnaces toget greater efficiency, reliability and safety. (L)

KORNITSKIY, S. Ya.

"General Heat Engineering" 1952

Textbook for institutions of higher learning. Internal combustion engine cycles are discussed, turbines and compressors p. 71-81, jet engines p. 497-498.

KORNITSKIY, S. YA.

Coal, Pulverized

Preparation of pulverized coal for high-pressure boiler installation. Izv. VTI 21 No. 5 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

KORNITSKIY, Ya. [illegible]

S Ya

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Rubinshteyn, Ya. M. Bludov, V. P. Vyhubov, D. N. Kornitskiy, S. Ya. Litvin, A. M. Luknitskiy, V. V. Prokhorov, F. G. Yakub, B. M. Morozov, N. G.	"General Thermal Engineering" (student manual, 2d edition)	Moscow Power Engineering Institute imeni V.M. Molotov

SO: W-30604, 7 July 1954

KORNITSKIY, S. Ya.

USSR.

1577. CLASSIFICATION OF BOILER FUELS. Kornitskii, S. Ya. (Elekt. Sta., (Per Sta., Moscow), Aug. 1954, vol. 25, 6-11). The fuel classification system presented is based on the main general technological characteristics of fuel - calorific value (heat of combustion), volatile matter, ash and moisture content - supplemented by various features connected with the development of natural fuel and its combustibility. The qualities of pyrogenous disintegration and combustion products (i.e., the dynamic characteristics) are described, and the high temperature effect of fuel combustion appraised. D.E.A.

L 12049-66 EWT(m)/T DJ/WE

ACC NR: AP6011222 (A) SOURCE CODE: UR/0413/66/000/006/0057/0057

INVENTOR: Gureyev, A. A.; Sobolev, Ye. P.; Shchegolev, N. V.; Alekseyev, A. I.; Kornitskiy, V. V.; Minkin, M. L.; Senichkin, M. A.; Livshits, S.M.; Englin, B.A.; Mikulin, Yu.V.

ORG: none

TITLE: Starter fluid for engines with carburetors. Class 23, No. 179870

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 57

TOPIC TAGS: carburetor engine, starter fluid, engine starter fluid, antioxidant additive, antiwear additive

ABSTRACT: An Author Certificate has been issued describing a starter fluid for engines with carburetors. The fluid has a base of sulfuric ether and a mixture of low-boiling hydrocarbons with an antioxidant additive. It is suggested that to improve the functioning properties of the fluid, isopropyl nitrate or oxidation products of hydrocarbons plus an antiwear compound be added. [Translation] [NT]

SUB CODE: 21/ SUBM DATE: 13Nov64/

Card 1/1 UDC: 661.17:621.434.019-632

SEREDA, L.A.

Vitamin content in milk of cows and goats fed dried brewer's yeast. Ukr. biokhim. zhur. 36 no.1:108-112 '64.

(MIRA 17:12)

1. Department of Biochemistry of the Ukrainian Agricultural Academy, Kiyev.

KORNIYCHUK, L.Ya. [Korniichuk, L.IA].

Conference on the economic history of the Ukraine. Visnyk AN URSR 29 no.3:63-65 Mr '58. (MIRA 11:5)
(Ukraine--Economic conditions)

TEPLITSKIY, V.P.[Teplits'kyi, V.P.], red.; KORNIYCHUK, L.Ya.[Korniichuk, L.IA.], red.; SHABLIY, Ye.A.[Shablii, IE.A.], red.; LANDIN, B.O., red.; KADASHEVICH, O.O.[Kadashevych, O.O.], tekhn. red.

[History of economic thought in the Ukraine] Z istorii ekonomichnoi dumky na Ukraini. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 346 p. (MIRA 15:4)

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(Ukraine—Economics)

KORNIYCHUK, V.A.

USSR / Human and Animal Morphology (Normal and Pathological). S
Cardiovascular System.

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97108
Author : Korniychuk, V.A.
Inst : Vinnitsa Medical Institute
Title : Anastomoses of the Veins of the Foot.

Orig Pub : Sb. nauchn. tr. Vinnitsk. med. in-ta, 1957, 8, 41-46

Abstract : In 76 feet of humans of various ages, 9 layers of veins were conditionally isolated (in the direction from the dorsal surface to the planter). A layer-by-layer description of the venous anastomoses (A) is given. It is noted that in fetuses and the newborn, A are more numerous between the veins on one layer and between the layers of veins, than in adults. Veins of the 3rd layer have numerous and most constant A. A are most frequently distributed in places which are less subjected to compression, as well as in places of accumulation of a great quantity of adipose tissue.

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Anatomy of cardiac veins in some vertebrates. Sbor.nauch.trud. Vin.der.med.inst. 18 no.2:3-5 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk, prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo instituta.
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KORNIYCHUK, V.A., assistent

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(FOOT--BLOOD SUPPLY)

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Structure and topography of the panniculus adiposus of the anterior wall of the abdomen in man and some vertebrates. Sbor.nauch.trud.Vin.der.med.inst. 18 no.2:66-71 '58. (MIRA 16:2)

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(ADIPOSE TISSUES) (ANATOMY, COMPARATIVE) (ABDOMEN)

KORNIYENKO, A., polkovnik, kand.ekonomicheskikh nauk

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1. Moskovskiy technologicheskiy institut myasnoy i molochnoy promyshlennosti (for Korniyenko). 2. Moskovskiy ordena Lenina myasokombinat (for Shibanova).

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